AUTODOC CLUB

How to change track rod end on **Mercedes W168** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-Class (W168) A 140 (168.031, 168.131), MERCEDES-BENZ A-Class (W168) A 160 CDI (168.007), MERCEDES-BENZ A-Class (W168) A 170 CDI (168.008), MERCEDES-BENZ A-Class (W168) A 190 (168.032, 168.132), MERCEDES-BENZ A-Class (W168) A 160 CDI (168.006), MERCEDES-BENZ A-Class (W168) A 170 CDI (168.009, 168.109), MERCEDES-BENZ A-Class (W168) A 210 (168.035, 168.135), MERCEDES-BENZ A-Class (W168) A 190 Twin Engine

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The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – MERCEDES W168. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Vernier caliper
- Ball joint puller
- Wheel chock

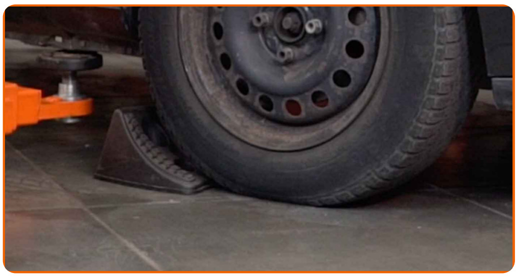
BUY TOOLS

Replacement: track rod end – Mercedes W168. AUTODOC experts recommend:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- All work should be done with the engine stopped.

REPLACEMENT: TRACK ROD END – MERCEDES W168. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.



Replacement: track rod end – Mercedes W168. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

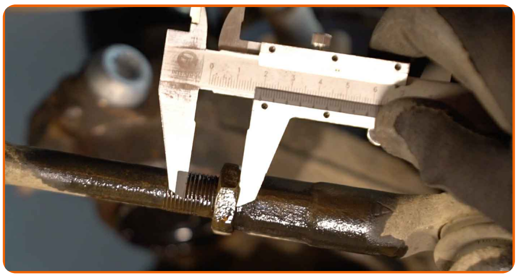
5

Remove the wheel.



6

When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



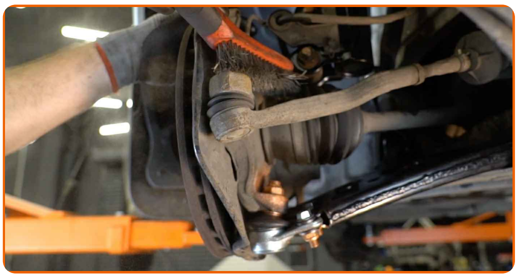
7

Clean the lock nut that connects the tie rod to the tie rod end. Use a wire brush. Use WD-40 spray.

8 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #18.



9 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



10 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #18. Use a ratchet wrench.



11 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



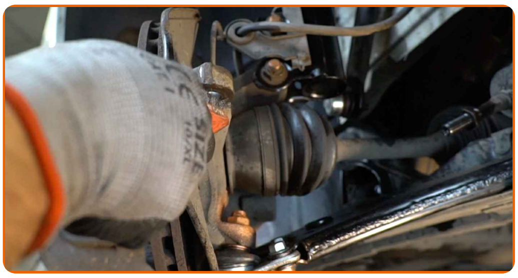
12

Screw the end out of the tie rod.



13

Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.



14

Screw on a new tie rod end.



Replacement: track rod end – Mercedes W168. AUTODOC recommends:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

15

Connect the tie rod end to the steering knuckle.



16

Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #18. Use a torque wrench. Tighten it to 30 Nm torque.+90°

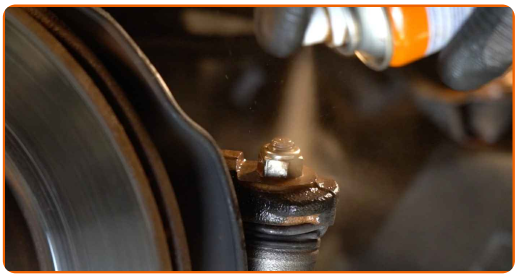


AUTODOC recommends:

- Important! Be sure to use new fasteners.

17

Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



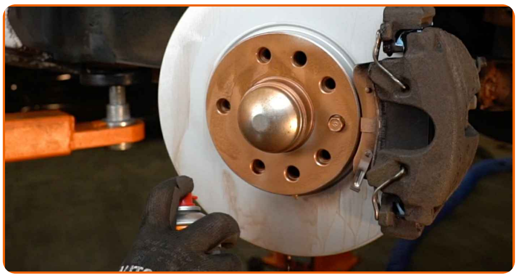
18 Tighten the tie rod end locknut. Use a combination spanner #18. Use a torque wrench. Tighten it to 50 nm torque.



19 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



20 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: track rod end – Mercedes W168. After applying the spray, wait a few minutes.

21 Install the wheel.



Replacement: track rod end – Mercedes W168. Tip from AUTODOC experts:

22 Screw in the wheel bolts. Use wheel impact socket #17.



23 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.



Replacement: track rod end – Mercedes W168. Tip:

- Check and adjust wheel alignment if necessary.

24 Remove the jacks and chocks.

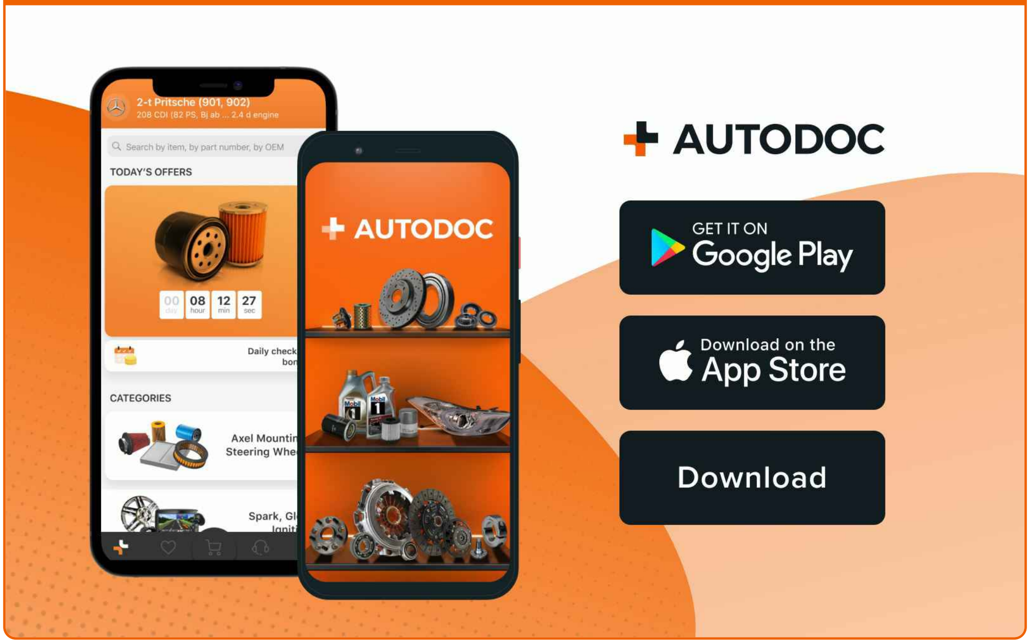


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TRACK ROD END: A WIDE SELECTION

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